

# UltraPlate™

## NEXT GENERATION QUALITY STRUCTURAL PLATE

UltraPlate™ is suited to New Zealand's unique conditions with high performing qualities. Bolstering G350 strength, Charpy testing and the quality associated with "Z" class material – UltraPlate™ is the perfect product for structural fabricators in construction where performance matters.



UltraPlate™, exclusively supplied by Steel & Tube, is the innovative new product which offers market leading structural plate specifications combined into one product, providing the assurance of the highest strength properties for demanding applications.

Available in thicknesses greater than 15mm. The enhanced chemical composition of grade 350 UltraPlate™ ensures guaranteed material properties including meeting the grade designations of 'L15' for Charpy Impact, and 'Z35' for through thickness tensile properties. This is also known as 'Z grade'.

Given UltraPlate™ steel is examined for internal defects by ultrasonic testing providing an "improved" more resilient product, which is important, as the steel will have superior resistance to stress through the plate, enabling it to better cope with tensile stress which may result in lamellar tearing after welding.

Z quality steel plate is increasingly being sought for critical applications in steel structures where larger plate thicknesses are required for end use applications that load the fabricated structure in the thickness direction of the plate.

In high-risk applications and situations, where increased requirements for the deformation capacity of the material needs to be specified, don't second guess, specify, fabricate, and insist on UltraPlate™. The UK's 'Steel Construction Institute' recommends the 'Quality Class' Z35 specification.<sup>1</sup>

### ULTRAPLATE™ Range

Thickness	Product Code
16mm	P0079163
20mm	P0079171
25mm	P0079173
32mm	P0079170
40mm	P0079166
50mm	P0079165
60mm	P0079164
80mm	P0079161
100mm	P0079162

- UltraPlate™ is stocked in 2.4m width and 6m length and available up to 9.6m length
- 100mm is stocked in a 5.5m length

1. NSC - New Steel Construction – 'Properties of quality class steel' – 7 February 2019

Talk to your local Steel & Tube sales representative  
or email [ultraplate@steelandtube.co.nz](mailto:ultraplate@steelandtube.co.nz)

**0800 478 335 [steelandtube.co.nz](http://steelandtube.co.nz)**

## ADDITIONAL SERVICES



### PLATE PROCESSING

Steel & Tube provides an extensive range of precision steel plate cutting services including UltraPlate™. We source high quality plate and utilise the latest Plate Processing Machine technologies to service our customer needs. Our recent investment in a brand new Kinetic K5000 Plate Processing Machine has expanded our service portfolio to include:

- Oxyfuel and Plasma Cutting
- Tapping & Countersinking
- Bevelling
- Folding
- Milling
- Punching
- Drilling
- Guillotining

We also offer a design service including tailored solutions to meet your requirements. All our products are provided with end to end traceability including mill certification.



### INDENT TRADING & EXPORT

Steel & Tube operate an Indent Trading department that specialises in the sourcing and subsequent supply of standard and specialty steel products in a direct from mill to-customer format.

With a large network of local and international suppliers spread across the world, we will be able to source your requirements or find a substitute.

Talk to your local Steel & Tube sales representative or email [ultraplate@steelandtube.co.nz](mailto:ultraplate@steelandtube.co.nz)

Contact Us Today

